
CONTENTS

Page

Lists of tables.....	
Lists of figures.....	
Lists of abbreviations.....	
1-Introduction	1
2- Historical Review of literature.....	3
2.1 Teratology.....	3
2.2. Phenytoin uses.....	7
2.3. Teratogenics and adverse effects of tetracycline.....	8
2.4. Toxicity of phenytoin	11
- Hepatic effects.....	11
- Cardiovascular, Endocrine and Reproductive system	12
- Dermatological, Hematological and Immunological.....	12
- Mutagenicity and Carcinogenicity.....	13
3- Material and Methods.....	17
3.1. Experimental animals.....	17
- Species	17
- Strain.....	17
- Breeding	17
3.2.Grouping of animals.....	18
3.3. Drug used.....	19
3.4. DNA preparation.....	20
3.5. Preparation of gel and gene amplification & purification	21
3.6. PCR requires several basic components.....	22
3.7. Restriction fragments length polymorphism (RFLP) protocol.....	23
3.8. Restriction enzymes used for CYTb gene RFLPs profiles....	24

4- Results.....	25
5-Discussion.....	52
6- Summary.....	59
7- References.....	62
8- Arabic summary.....	
